

[1,2,4]TRIAZOLO[1,5-a]PYRIMIDINE DERIVATIVE**Publication number:** WO03020723**Publication date:** 2003-03-13**Inventor:** ARAI HITOSHI (JP); MACHII DAISUKE (JP);
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SHIOZAKI SHIZUO (JP); SHIMADA JUNICHI (JP);
SUZUKI KOJI (JP)**Classification:****- International:** **A61K31/519; A61K31/5377; A61P25/16; A61P25/24;
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(IPC1-7): C07D487/04; A61K31/519; A61K31/5377;
A61P25/16; A61P25/24; A61P25/28; A61P43/00**- European:** A61K31/519; A61K31/5377; C07D487/04**Application number:** WO2002JP08666 20020828**Priority number(s):** JP20010262095 20010830**Cited documents:**

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A [1,2,4]triazolo[1,5-a]pyrimidine derivative represented by the formula I: I wherein Y represents hydrogen or unsubstituted lower alkyl Z represents oxygen or sulfur and X represents II or III or a pharmacologically acceptable salt of the derivative. They have an antagonistic activity against an adenosine A2A receptor and are useful for treatments for and/or prevention of various diseases attributable to the hyperenergia of an adenosine A2A receptor, e.g., parkinsonism.

A [1,2,4]triazolo[1,5-a]pyrimidine derivative represented by the formula (I): (I) wherein Y represents hydrogen or (un)substituted lower alkyl; Z represents oxygen or sulfur; and X represents (II) or (III) or a pharmacologically acceptable salt of the derivative. They have an antagonistic activity against an adenosine A_{2A} receptor and are useful for treatments for and/or prevention of various diseases attributable to the hyperenergia of an adenosine A_{2A} receptor, e.g., parkinsonism.

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